Agenda No. 8c

CalEnviroScreen 2.0

Governing Board Retreat
May 15-16, 2014

Cleaning the Air That We Breathe…

CalEnviroScreen 2.0

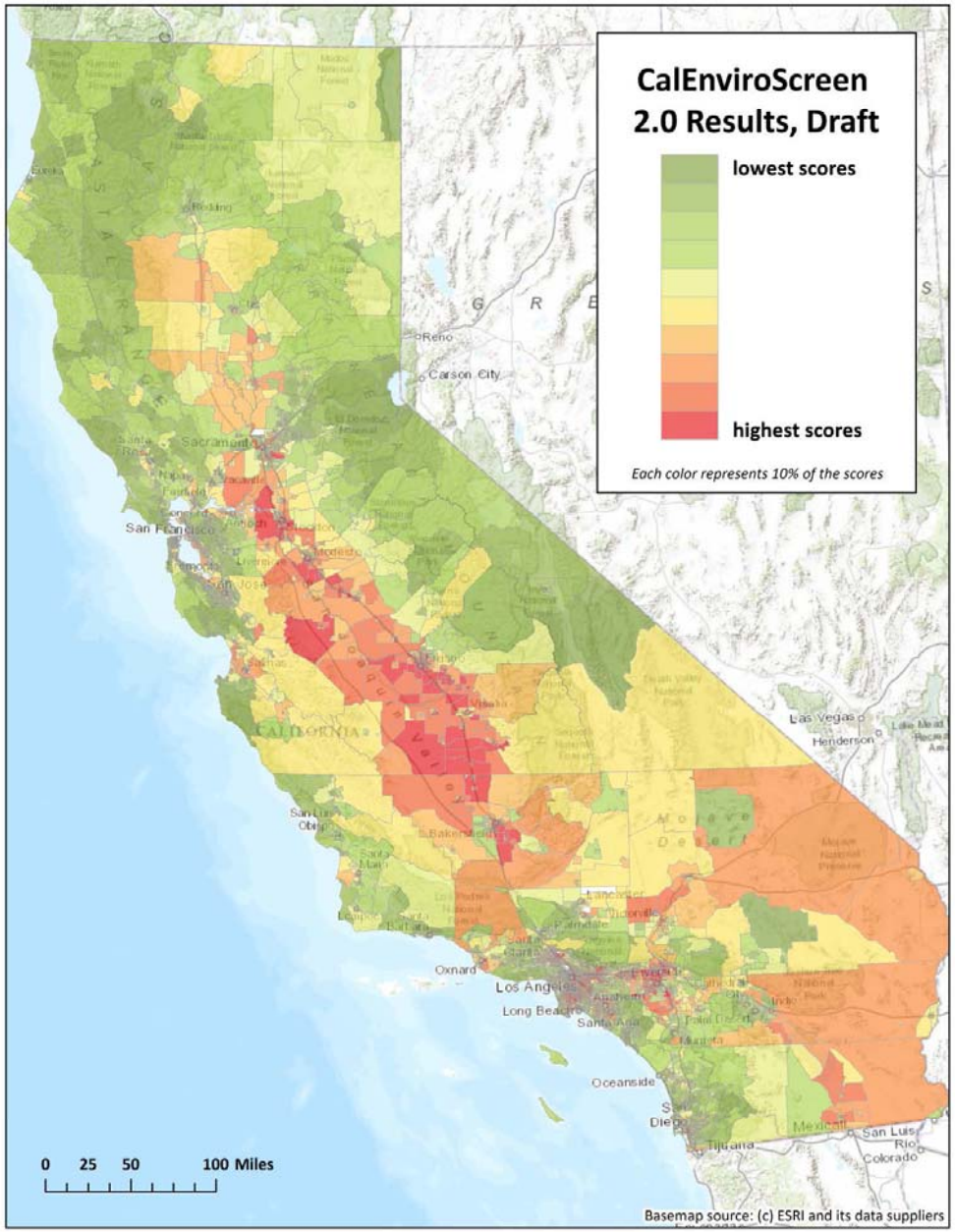
- Broad picture of the relative burdens California communities face from environmental pollution
- 19 indicators of environmental, health, and socioeconomic conditions
- Census tract scale

Some Uses of Tool

- To aid ongoing planning and decision-making within CalEPA
  - Environmental Justice Small Grant program
  - Prioritize CalEPA activities
- Strategic Growth Council
  - First use of CalEnviroScreen outside of CalEPA
- SB 535 (De Leon, 2012)
  - CalEPA shall identify "disadvantaged communities" for investment opportunities based on geographic, socioeconomic, public health and environmental hazard criteria.

CALENVIROSCREEN 2.0 INDICATORS

Pollution Burden		Population Characteristics	
Exposures	**Environmental Effects**	**Sensitive Populations**	**Socioeconomic Factors**
• **PM 2.5 concentrations** • **Ozone concentrations** • **Diesel PM emissions** • Pesticide use • Toxic releases from facilities • Traffic density • Drinking water quality	• Cleanup sites • Groundwater threats (Leaking underground tanks and cleanups) • Impaired water bodies • Solid waste sites and facilities • Hazardous waste facilities and generators	• Prevalence of children and elderly • Asthma emergency department visit rate • Rate of low birth weight births	• Educational attainment • Linguistic isolation • Poverty: Percent residents below 2x national poverty level • Unemployment rate

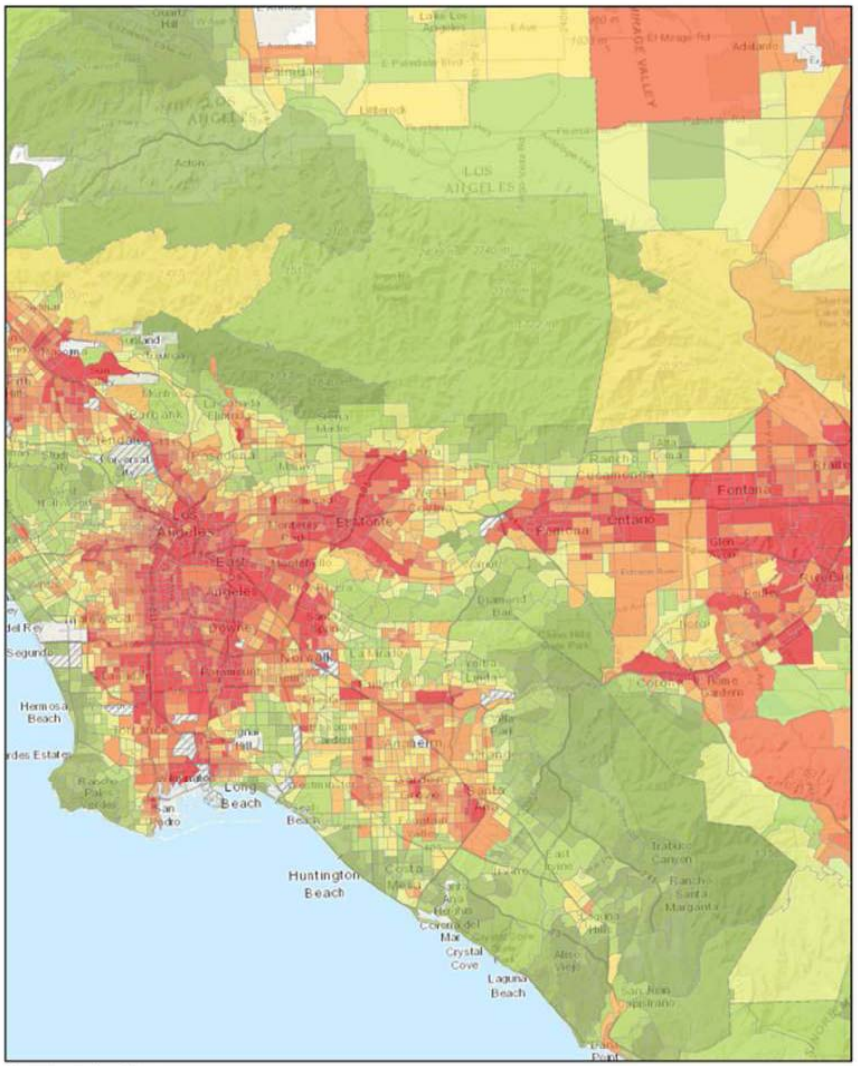

CalEnviroScreen
2.0 Results, Draft
lowest scores
highest scores
Each color represents 10% of the scores
Reno
Carson City
Sacramento
San Francisco
Las Vegas
Henderson
Oxnard
Los Angeles
Long Beach
Oceanside
Tijuana
0 25 50 100 Miles
Basemap source: (c) ESRI and its data suppliers

CalEnviroScreen 2.0 Results, Draft

Top 20% pollution, low population

lowest scores — highest scores

Each color represents 10% of the scores

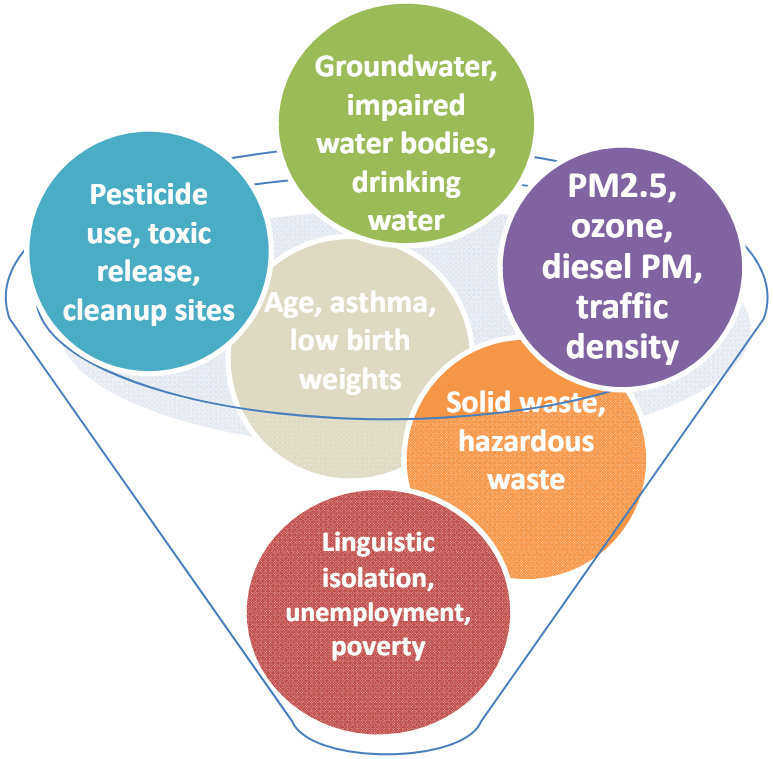


Los Angeles Area

0 5 10 20 Miles

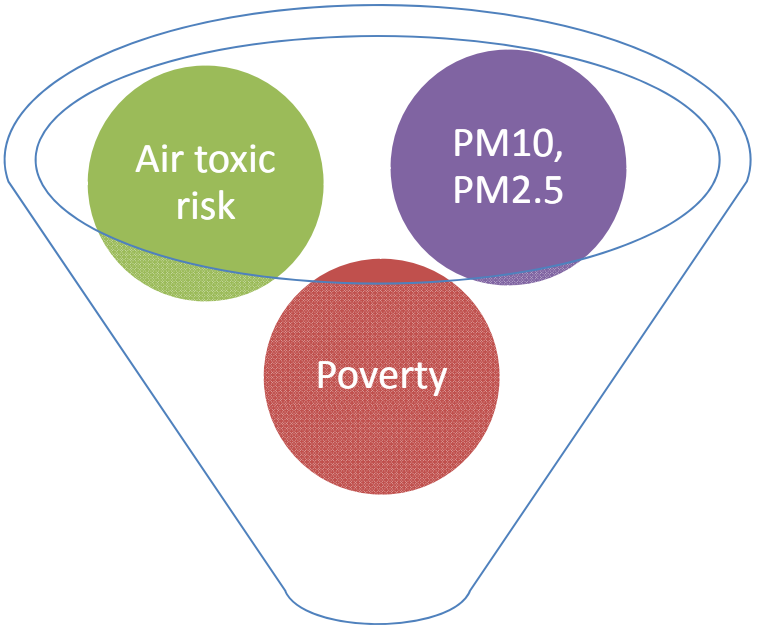
Basemap source: (c) ESRI and its data suppliers

CalEnviroScreen



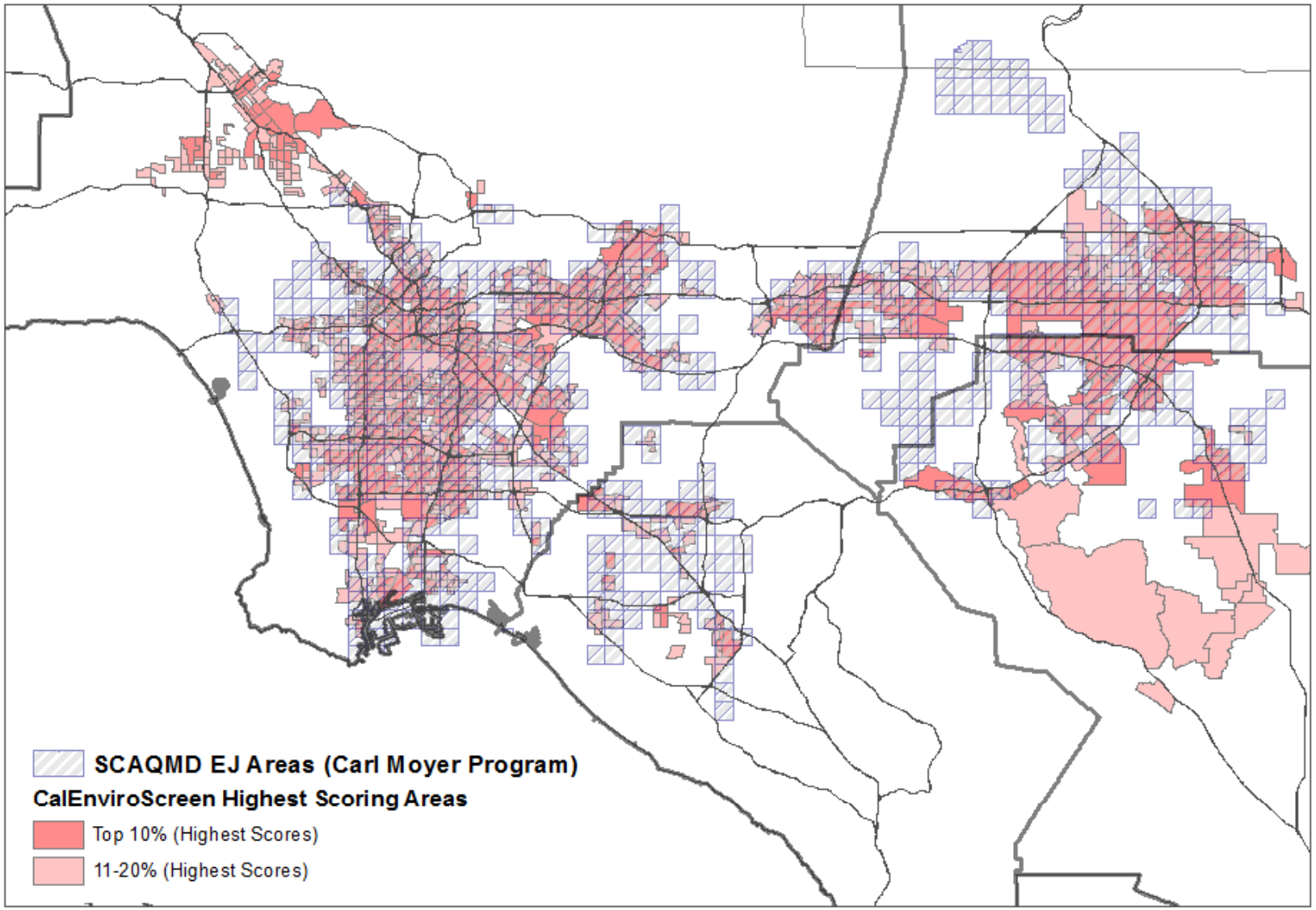
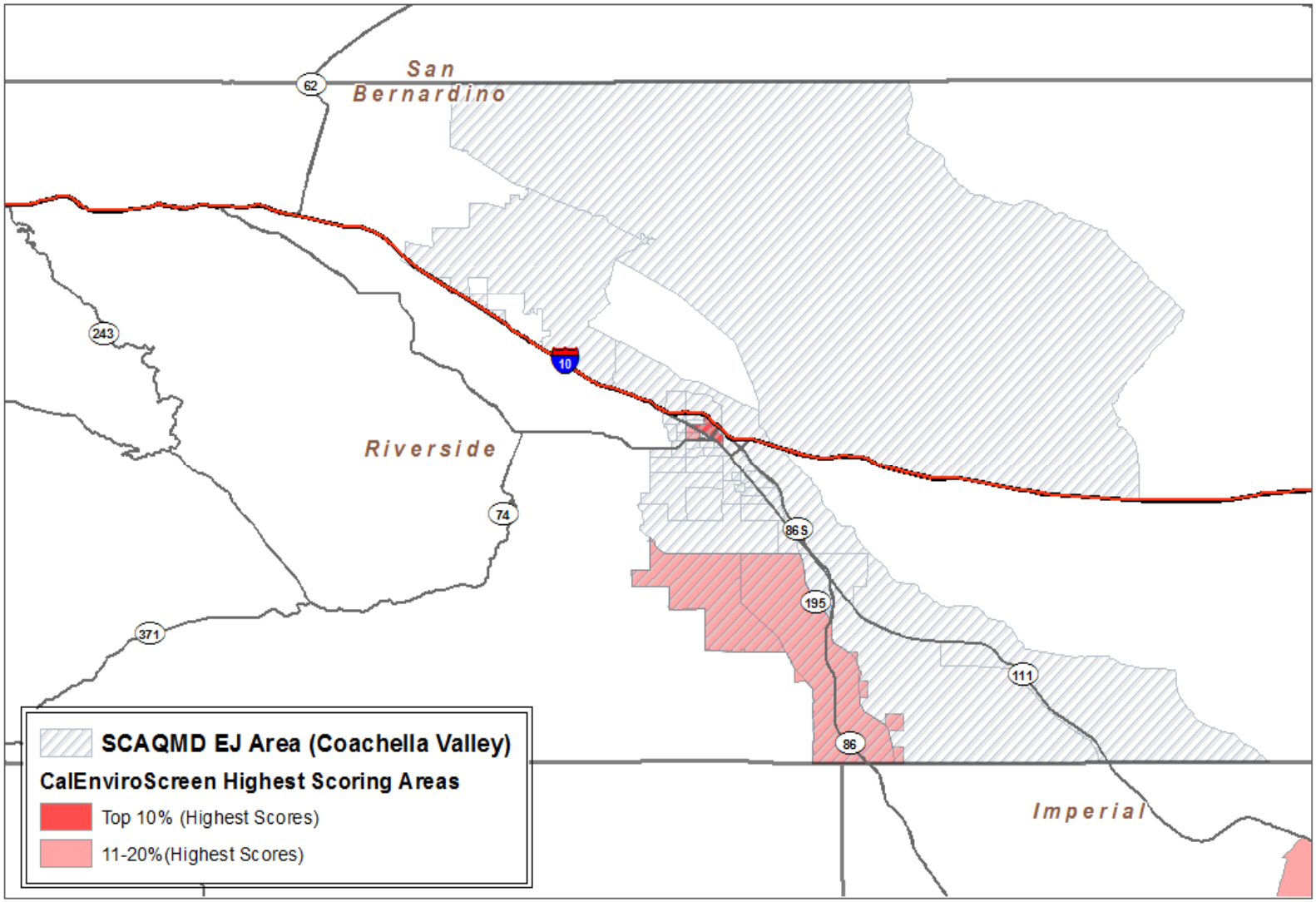
Area Rankings

SCAQMD



EJ Area

Comparison of SCAQMD & CalEnviroScreen
South Coast Air Basin



Comparison of SCAQMD & CalEnviroScreen Coachella Valley